

56077814A2



(19)

(11) Publication number: 5

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 54154558

(51) Intl. Cl.: G02B 7/26 H01L 33/00

(22) Application date: 29.11.79

(30) Priority:

(43) Date of application  
publication: 26.06.81(84) Designated contracting  
states:

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(54) OPTICAL FIBER  
ARRAYING METHOD

(57) Abstract:

**PURPOSE:** To fix temporarily optical fibers at accurate positions in grooves by fitting optical fibers in grooves in a base having a thin film of a magnetic material bonded to the surface and by fixing them temporarily by placing a magnet on them.

**CONSTITUTION:** On the surface of base 1 having V grooves formed by photolithography, thin film 2 of a magnetic material such as Cr and Ni is formed and optical fibers 3 are fitted in those V grooves. Next, optical fibers 3 are temporarily fixed by placing flexible magnet 4 on optical fibers 3 and then resin, etc., are flowed into grooves to fix optical fibers 3. Thus, the light emission part of a semiconductor light emitting device and optical fibers or only optical fibers can be fixed being positioned easily with precision.

